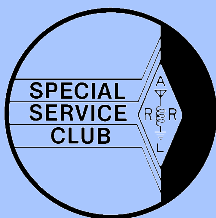




The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- ~~RARS meets for a monthly dinner on the First Tuesday of each month.~~



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<https://www.rars.org/public-service.php>

frequently for our 2021
ham public service
schedule.

RARS General Meeting

Main Topic: HF Propagation

Presenter: Carl Luetzelschwab, K9LA

Date: July 13, 2021

Time: Meeting at 7:30 PM, informal
gathering at 7PM on Zoom.

Where: Zoom

RARS Net Monthly Summary

June 2021

493 checkins

947 minutes

Julie Royster KT4JR

RARS net manager

RARS Officers

PRESIDENT

John Honeycutt
N8ZU
919.417.2477
jfh49@bellsouth.net

VICE PRESIDENT

Tom Lewis
N4TL
N4TL2@yahoo.com

SECRETARY

Mark Kilmer
KM4JRH
919.676.0110
mark.kilmer@gmail.com

TREASURER

Greg Seamster
KE4PAX
919.859.0029
KE4PAX@arri.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website.

<https://www.rars.org>

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The
meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the IHOP Restaurant, 7471 Six Forks road, 27615. Its on the corner of Six Forks road and Sawmill Road, 6:30 PM to 8PM They have a room for us that is to the left when you enter the restaurant. Informal and Dutch, just bring your appetite and best rag to chew.

RARS Repeaters in Raleigh

145.130, 146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS web-site click here. <https://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit <https://www.rars.org> for more information.

RARS Birthdays

Tom	K6UTL	07/01
James	KE4DRN	07/03
Eugene	KD4YJX	07/06
Rick	KD4PJI	07/08
Crystal	KO4KPS	07/08
Brian	KO4JAS	07/09
Steve	AC2AS	07/09
Bill	W3IMD	07/10
John	AI4RT	07/10
Annette	KB4AQH	07/11
Doug	AD4UL	07/14
Bill	KO4GQL	07/15
Jerry	WA1WHD	07/15
Lowell	K4EUP	07/17
Jim	KM4WRK	07/17
Bob	K4RLC	07/19
Bill	W4WHW	07/23
Lee	WB4DRJ	07/25
Chuck	WB4TNC	07/26
Mike	N4GU	07/27
William	K4CIA	07/28
Ashley	KN4OSV	07/28
Meme	KE4NGM	07/28
Dave	W4YDY	07/29
Scott	KJ4TUC	07/30

New Members

Carolyn Sutton	Not Licensed
Gordon Fedoriw	KM4GBF
David Taylor	KN4QT
James Draper	Not Licensed

May 11, 2021 RARS meeting

The meeting was held on Zoom, as we have been since the covid-19 pandemic started. Many members connected from 7PM on. President John Honeycutt, N8ZU, ran the formal part of the meeting. See the meeting minutes on [page 37](#) for details. After the formal part of the meeting. Tom, N4TL. Introduced Curt Phillips, W4CP. Curt talked about the upcoming Field Day.



Curt Phillips W4CP curt@w4cp.com



RARS Field Day Chairman

Field Day

May 11, 2021 RARS meeting

You still have to put the antenna on



One of the slides from the presentation.

June 8, 2021 RARS meeting, continued

 TN Tom, N4TL (Me)	 CD Carl Davis W8WZ	 MB Mike Butler K4MBX
 Mark - KM4JRH (Host)	 C Charles-WA4OSS	 MK Mike KK4ETS
 Curt W4CP (Co-host)	 CK Chuck, K4HF	 MK Mike KN4DRN
 Greg KE4PAX (Co-host)	 DW dennis wz0q	 Norm Burtness WX7NDB
 BK Brantley K4CBW	 DK Denny KO4IBL	 RH Richard Hall K7RLH
 JH John Honeycutt N8ZU	 Dick KD4ISC	 SK Sam. KN4RWI
 Tadd (KA2DEW) Torborg	 DA Doug AD4UL	 SM Stephen Markham
 AF Allen F Nickle	 DN Doug N3LTV	 TN Tom NC4TS
 MK MEME KE4NGM	 EB Ernie Bauer - N4AEW	 Tyler KO4BZA
 AS Al Sutton-N4EII	 Hank Montgomery	 W WadeKK4UGY
 AA Alan AB4OZ	 JW Jim W1XR	 BN Bob. N4GEB
 Ashby - KB5ZIH	 JH Joe Hendrix - KO4NWW	 David Peterson KN8DAP
 BN Barry NC4AZ	 Joe N4BJH	 JK Jerry KE4TTS
 BK Billy Ke4vnc	 JT Joe Tyson	 J Joe
 BK Bob K4RLC	 Julie (WE3T)	 KA Ken AD4GX
 BW Bob, W4GIA	 KK Ken KN4GUS	 RN Richard N1FUA
 C Card	 M- Mike - KN4GUN	 WK Walker KD4YJX

RARS Zoom Meeting 51 Participants

Future RARS Meeting Topics

Titles, topics, and speakers **subject to change**.

7/13/2021	HF Propagation Thanks to Bill Morine, N2COP for helping me find an expert	Carl Luetzelschwab, K9LA http://k9la.us/
8/10/2021	NCPACKET, a several-county-wide only-on-ham-radio social network.	Tadd Torborg, KA2DEW
9/14/2021	Wind turbines, solar power & traditional ways of generating electricity	Brian Henderson, VE6ZS Calgary, Alberta, Canada
10/12/2021	RARS Officers nominations & New FCC RF Safety rules	Election committee & Chuck Till, K4RGN
11/9/2021	RARS Officers election and Show and Tell	Election committee & members

Our presenter for July, Carl Luetzelschwab, K9LA won the April, 2021 QST Cover Plaque Award. The article is "[Solar Cycle 25 is Finally Here](#)".

During the Zoom meetings please keep your microphone muted.

The next few meeting of RARS will be held using Zoom at 7:30PM. Zoom is a conferencing application that runs on computers, tablets and phones. The meeting ID will be sent out to everyone via email.

Quick start guide for new Zoom users

https://support.zoom.us/hc/en-us/articles/360034967471-Quick-start-guide-for-new-users#h_b0c98dfa-d90f-486d-9617-71ab7b41a273

Zoom help center

<https://support.zoom.us/hc/en-us>

During all of our Zoom meetings please edit your name so your call is shown. Do a right click on your own image and choose rename. Add your call after your name. Thanks.

RARS FIELD DAY PICTURES, June 26-27, 2021

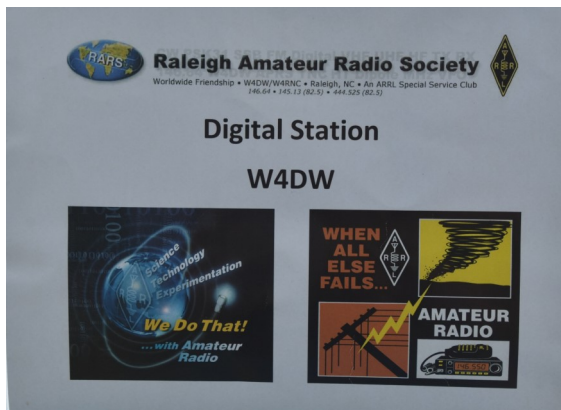
About 50 people participated in RARS FD



Nice Day to start FD



John Brier KG4AKV, Al Sutton
N4EI, Carl Davis W8WZ



W4DW RARS Callsign



CW station with various keys

N4TL Pictures

There are two more FD pictures on the last page.

2021 RARS FIELD DAY PICTURES



N4TL

GOTA station

Keith, KE7UHH; Steve, KJ4AWT; Tadd KA2DEW; Tony, K1OC



Josh Kroeger



Logan

Pictures from KA2DEW

2021 RARS FIELD DAY PICTURES



The rain came Saturday
around noon



Wet after working on antennas In the rain

Left to right

Jim Carroll, N4CAE;

Mark Kilmer, KM4JRH;

Rich Thoma, K4KVH



Dave Daniels, W4EIP; Jim Carroll, N4CAE;

Tadd Torborg; KA2DEW; Dan Marks, KW4TI

N4TL Pictures

THANK YOU!! To all Field Day Leaders and Participants

As RARS Field Day Chairman I just want to say again THANK YOU to each one of our Field Day leaders for their assistance in putting on a great Field Day! They are the front-line, primary players in keeping Field Day as such a fantastic, continuing tradition in amateur radio, the amazing mixture of emergency preparedness, contesting, learning and fellowship which keeps ham radio strong, fun and ready to respond whenever needed. Without them, NONE of it happens.

To all the other participants, I thank you also. Your work and support made for a wonderful event to allow less experienced people see the many facets and possibilities of amateur radio, and for the most experienced ones to be assured that their hobby is still growing and flourishing!

Because of an injury I experienced prior to Field Day compounded by a family "semi-emergency", I was not as active physically at Field Day set-up and take down as I had planned, so a special thanks to all of those who helped fill-in where I couldn't. But Field Day is great even when personal circumstances are a little challenging.

We all learned things which we will apply to improve next year's Field Day and to any situations of emergency response we may be called upon to supply. That is a GREAT result of Field Day addition to everything else.

Thanks to everyone who helped make Field Day such a success!

Our Field Day Leaders were:

Bob Conder K4RLC & Dale Pendelton W4AUV	40 meter CW
Carl Davis W8WZ	20/80 meter CW
David Burt W4OFO & Rich Mitchell NC4EN	80/15 meter phone
Mark Kilmer KM4JRH	20/10 meter phone & VHF
Tadd Torborg KA2DEW	GOTA "Get On The Air" station
James Marolda KE4DRN	Digital station
Ken McEwen KI4OTO	Generator support
John Brier KG4AKV	Satellite & 40 meter phone
Nancy Torborg KB2TNR	Queen of Snacks
David Burt W4OFO	Computer Expert & Support

73 Curt Phillips, W4CP

EXTRA SPECIAL THANKS to Jim and Beth Carroll!!
Curt Phillips, W4CP

To Jim and Beth Carroll, just saying "THANK YOU" is far from enough! But I hope they know how much we appreciate and enjoy having such a beautiful, excellent location from which to participate in Field Day. Much appreciated is also their personal assistance with the unanticipated circumstances which always arise. It is so perfectly appropriate their home is on "Friendship Road", because there could be no better name to commemorate the great friendship and assistance they show for amateur radio and RARS by letting us hold the event there.



It takes a lot of PEOPLE and a lot of WORK..

RARS FD 2021



.. to get a beam in the air on an AB-577!

SPECIAL THANKS TO EVERYONE WHO HELPED PUT UP AND TAKE DOWN THE AB-577s

73 Curt Phillips, W4CP

Field Day June 28, 2021 By Denny Oestreich KO4IBL

After getting my Extra License in March and getting a radio and antenna configured, I have begun to learn and use radio and learn the protocol to make contacts on the air. I have discovered that you must ask experienced Hams questions to understand some things about operation. Several RARS members suggested I attend Field Day on June 26 - 27 to observe. So, I drove to Friendship Road in the country south of Apex on Saturday to watch and learn. This was my first time seeing Field Day. This was all new to me so I will relate to you what I saw. Please excuse me if you have seen all this before.

I arrived shortly after 2 PM to see 40 cars parked along the driveway and a lot of activity. There were seven screen shelters with tables and chairs for two operators and even room for a couple of observers. The shelters each had equipment for operating on their assigned bands. I observed a lot of different kinds of radios and tuners set up in the shelters. Each shelter also had its own generator running nearby as required for field operation. The Honda generators were the quietest. There were cables running from each shelter to their antennas. There were several types of antennas. There were a couple of Yagi's with arrangements of guywires and facility to raise and lower the antenna. An assortment of long wires was run in the trees on the property. Most of the stations had been set up only hours before and were already making contacts when I arrived.

I spent some time sitting in with W8WZ Carl as he was working CW. I got to listen while he quickly found a station calling CQ, logged the call sign on his computer, sent a QSL response, verified the contact, and quickly moved on to the next QSO. With his computer aids for sending responses, he moved quickly, only occasionally using his key for adjustments or corrections. In the same shelter John Brier, KG4AKV was making SSB contacts. They were really scoring the contacts, but having some trouble finding an open frequency. The bands were busy. They often had to seek and pounce. With an extra set of earphones, I was able to listen in to both the CW and SSB operations.

I visited all the tents and was able to ask a few questions while trying not to detract from the teams' goals. I noted all contacts were recorded using N1MM Contest logger on PCs with an expert available to load the application onto the teams' PCs.

A twenty-minute rain required the teams to pause while they zipped up curtains and added tarps to protect themselves and their equipment from the rain. The rain did not dampen their spirits and most continued through the rain.

Field Day June 28, 2021, By Denny Oestreich KO4IBL, Continued

Below are pictures I took of some of the teams making contacts. Sorry that I did not introduce myself and get their names, but they looked busy and intent.



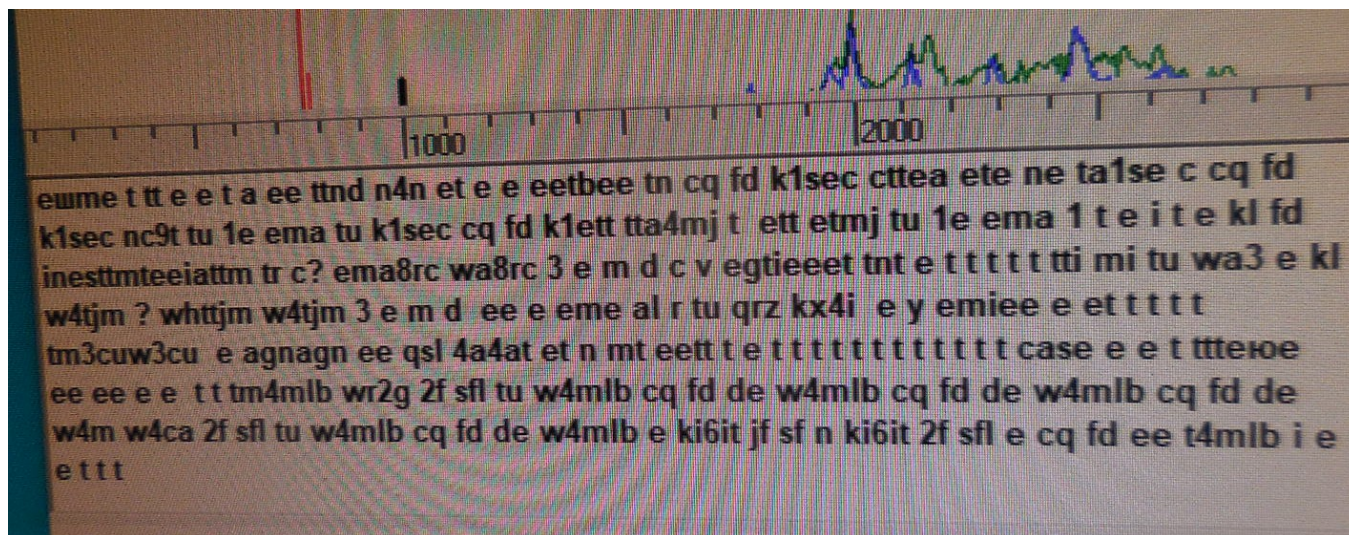
Carl Davis W8WZ and John Brier KG4AKV



Bob Conder, K4RLC and ??

I spent about three hours watching the Field Day activities and then went home to listen on my own radio. I listened to several Field Day SSB QSOs on 20 and 40 meters. I could see more band activity than ever before. I am still in the process of learning CW so I tried to use a GETCW application on my PC to read some QSOs. Below is a picture of a couple of these QSOs. You can make out the "CQ", some call signs, the abbreviation "fd" for field day, and the abbreviation "de" for from. GETCW is not very accurate sometimes. Can you read some of it through the noise?

Field Day June 28, 2021, By Denny Oestreich KO4IBL, Continued



A snapshot of a couple Field Day QSOs from my GETCW application.

I was really impressed with how busy the bands were during Field Day. I tried to catch up with a call sign for the RARS team but could not find them on the bands. Below are pictures of my 7300 Spectrum Scope at 15 minutes before the end of Field Day (2PM Sunday). You can see that the CW portion of the band is very busy. You can also see my 7300 clock is off by about three minutes.



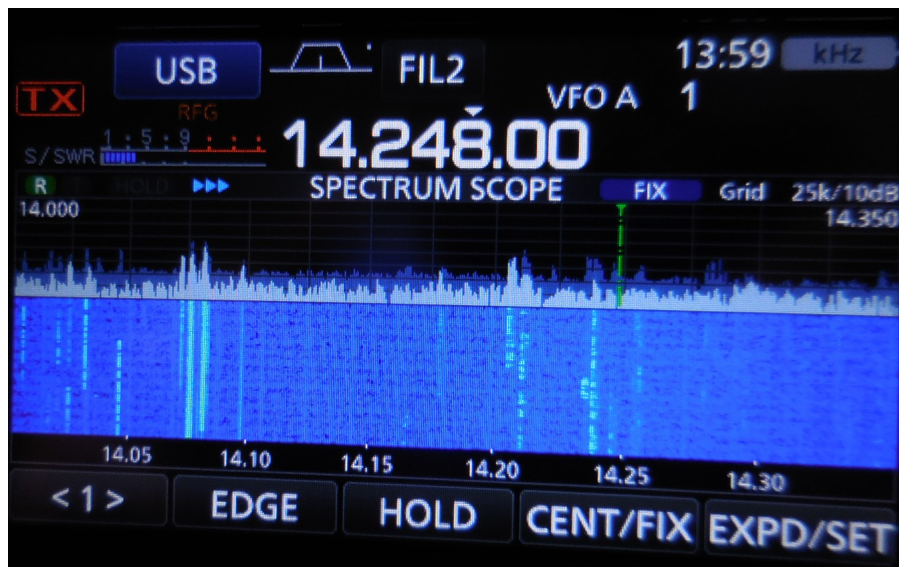
This is a picture of the 20 Meter Spectrum 15 mins before 2 PM

Field Day June 28, 2021, By Denny Oestreich KO4IBL, Continued

Then I took this picture at two minutes after 2PM. It looks like the keys went quiet and everyone went home.

This is picture of the 20 Meter Spectrum 2 minutes after 2 PM

(Looks like someone turned off the Band especially CW)



Thanks to Curt Phillips and all the participants for making my First Field Day a learning experience. I was impressed by the member participation and their expertise. I hope to have sharpened my skills enough to participate next year.

Regards, Denny Oestreich , KO4IBL

AF4PS



Mac Steinmeyer
13105 North Oregon Ave.
Tampa, FL 33612 USA

Flying Pigs #51
FISTS #5096
TARC, ARRL, SKCC #24497

confirming QSO with	Date (Z) D M Y	UTC	Report	Mode	Power	Freq MHz
W4DW	27 6 21	1433	1ANC 599	CW	5w	14029

72 es oo, 5W QRP, Elecraft K2 Tnx QSL(Pse)
mac 28.0665, -82.4744, GRID: EL88sb, Hillsborough, CO

This QSL card arrived a few days after FD. A W4DW card was promptly sent back.

Field Day @ K4CBW

I've gotten used neighbors stopping on the sidewalk in front of my house to stare into the sky. My dipole is conspicuously strung between a pine tree in the front yard and an oak tree in the back yard. It's hard to hide. Guests of our next door neighbors enjoying an evening on their deck have been known to drift in and out of conversation, distracted, wondering how the antenna reached its present height.



This Field Day, I thought the ARRL's rule changes favoring home-based stations (Delta & Echo classifications) presented an excellent opportunity to invite my neighbors to play radio outdoors using the odd wire suspended over my home. So, with the help of my family, we put a sign next to the sidewalk and began making preparations.

We operated from 2-5pm on Saturday and again from 10am-2pm on Sunday. I was pleasantly surprised by the turnout. Our

next-door neighbors came to look at our set up. Their college-aged engineering student enjoyed operating the radio and picked up on things quickly. A neighbor driving by saw our sign and pulled into the driveway. She was thrilled to know that a ham was in the neighborhood. Her late father had been a ham and thoroughly enjoyed the hobby. She showed pictures of some of his equipment, including some that he had built himself.

On Sunday, another neighbor stopped by to introduce himself. He has his ticket and has



been dabbling in the hobby, but has yet to put up a serious antenna. I enthusiastically offered my services and hope to have an antenna up for him soon.

Later on Sunday, friends from work stopped by to see exactly what ham radio looks like. The J38 straight key was a surprise hit and the source of continued attention after the bands quieted down at 2pm. During the pandemic, I've been encouraging them to read the license manual and sit for the exam. I think this event pushed them in the right direction.

73 Brantley West, K4CBW

HAM RADIO LUNCHEON

Everyone is welcome!

Every Thursday at 11:30 am
New York Diner, 909 McKnight Drive Knightdale.
The location may change, check the AB4OZ entry in
QRZ.COM for the current location

Hamfest Calendar

For details go to <http://www.arrl.org/hamfests/search>

Cary Swapfest 7/17/21 - ([See Page 24](#))

[Fayetteville, NC August 14](#)

[The Shelby, NC Sept. 3 - 5](#)

[Winston Salem, NC Oct 16](#)

These links were copied from AB4OZ's QRZ entry.

Alan keeps updating the information.

<https://www.rars.org>

Upcoming YOTA Contest!

Round 2 of the IARU's international youth-oriented radio contest is approaching quickly and will take place on July 18 from 1000-2159 UTC (6am-6pm EDT). Categories are provided for youth operating a station independently as well as youth operating with adult assistance. The contest also includes a 6-hour category for shorter operations. Scores are calculated based on the ages of the worked stations.

More information and complete rules can be found at:

<https://www.ham-yota.com/contest/>

ARRL Kids' Day Report

This past ARRL Kids' Day saw a number of youth taking to the airwaves! QSOs were logged up and down the east coast with several favorite colors exchanged. One operator reported his favorite color as green, specifically Heathkit Green.

If you participated in Kids' Day and have not submitted an entry, please do so using the link below!

<https://www.rars.org/arrl-kids-day-2021-june.pdf>

PSE Send Us Photos!

Please send photos (with a caption) of youth "playing radio" to Brantley K4CBW (k4cbw@arrl.net) for inclusion in the Exciter. Whether operating, building, or otherwise assisting, we'd love to see youth in action!

RARS Field Day Report

The RARS Get on the Air (GOTA) station, facilitated by Tadd Torborg KA2DEW, welcomed four youth to operate during the Field Day event. Congratulations to those youth, and

thank you Tadd!

Additionally, youth operated on Field Day from other 1D and 1E sites around Raleigh.



Technician License Question

Here's a question that could appear on a Technician license exam.

What is the name for a current that reverses direction on a regular basis?

- A. Vertical current
- B. Circular current
- C. Direct current
- D. Alternating current

Find more questions at:

https://hamexam.org/flash_cards/15-Technician

Upcoming Events

July 1-7	13 Colonies Special Event
July 18	YOTA (Youth on the Air) IARU contest, Round 2
Oct 15-17	Jamboree on the Air

Technician License Answer: D. Alternating current

WHY MY FIRST FIELD DAY WAS MY LAST

Ham Radio Lore by Howard A. Goodman, N4KYW

It was late spring of 1958. I had just earned my Novice Class license (KN3EPN) barely three months prior and had recently sat for the Technician exam. During the Spring semester I had joined my high school's ham radio club, whose name at the time I knew only as "The 807 Society."

It was an exciting time for me... everything was so new. There was so much to learn, so much to try. During an afterschool meeting of the club members, someone announced that Field Day was coming up. At the time, Field Day meant nothing to me.

But I quickly learned it was a two-day event, to be held over a weekend in late June in a city park. During this event members of the club would operate multiple stations on different bands using emergency power and improvised antennas, in an attempt to garner as many contacts with other Field Day stations as we could under "emergency-like" conditions. That rather cursory understanding was sufficient for me to volunteer to be a part of the event. Because of my Technician privileges, I was assigned the task of operating a Gonset Communicator on two meters.

In Northeast Philly, US Highway 1 is known as Roosevelt Boulevard. Tacony Creek Park, a standalone entity of Philly's gigantic Fairmount Park System, bridges "The Boulevard" to both the north and south. Three blocks to the latter, on Saturday afternoon we proceeded to pitch camp across from a block of contiguous row homes fronted by sloping grass lawns and a concrete sidewalk along the west side of Bingham Street. One of these row homes was home to a club member. This was the first time I came face-to-face with the club's placard. It proudly proclaimed for passersby to see, "The 807 Transmitting Society of Central High School."

By 6:00 PM, the official start of Field Day, I was on the air with the mighty Gonset, logging a few local stations on AM, determined to make more contacts throughout the long night. By 7:00 PM a State Police cruiser pulled up to the curb adjacent to the park. A trooper got out and approached the gathering. When I turned to face him, the trooper, still yards away, shouted, "Are you Goodman?" I replied, "Yes, sir." Then, in what sounded to me like an even louder voice, the officer added, "Your mother wants you to come home." Immediately, from what seemed like every direction I could hear multiple sources of raucous chuckles. Surrounded by hecklers, there was no way to which I could escape.

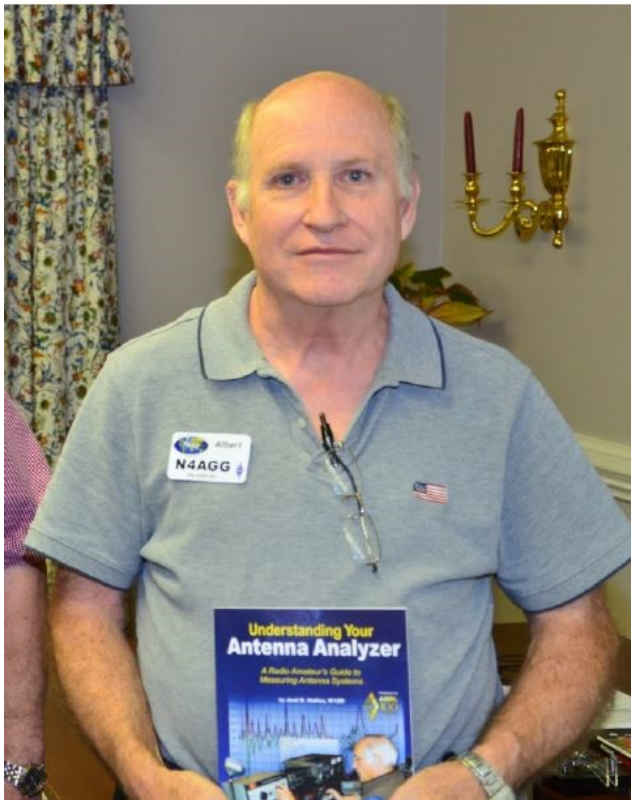
After apologizing profusely to the organizers, as I made my way back to my car--or I should say, my parents' car--that was the very moment I decided with absolute certainty my mom had just

clinched the title of “Jewish Mother of the Year.” She had again managed to humiliate me, this time in front of all my ham radio buddies. And she wasn’t even there to do it in person!

Once home, my mom was the first to confront me. “Where were you? You told me you’d be back by 6:00.” My dad stood solidly but silently behind her. “I think there’s been a misunderstanding,” I replied softly. “I believe I told you, 6:00 AM, not 6:00 PM.” My mother’s comeback: “Oh. I was afraid something happened to you.”

Exhausted and feeling like I’d been snookered again, I jumped into bed and went QRT through to late Sunday morning. By Monday, the ribbing I’d expected to receive at school from my fellow Field Day gang members never happened. Apparently, it had been all but forgotten by the others. But not by me. After all, I was the one who lived through it. I never again volunteered for another Field Day.

Deepest Sympathies



A transfer of \$50 has been made to the RARS Dick Bitner Youth Education fund in memory of James Albert Reynolds, N4AGG.

James Albert Reynolds, 67, passed, early Wednesday, June 23, 2021, in his Raleigh, NC home. He was an avid amateur radio operator, holding top-level "Amateur Extra" class licensure, a Life Member of ARRL, and a member of the Raleigh Amateur Radio Society. Sadly, N4AGG, is now radio silent.

Albert was a door prize winner during our September 13, 2016 RARS meeting.

Update your RARS Membership Profile or Renew your membership

The following link can be used update your RARS membership profile <https://www.rars.org/userprofile.php>. Please take a moment to verify that your data is correct and that you membership is current..

The RARS membership year ends June 30, 2021, and it is time to renew your RARS membership.

Thank you for your past support of the Raleigh Amateur Radio Society (RARS). Support from members like you is needed to continue the initiatives of RARS. Please take a moment and renew your membership for the 2021/2022 membership year.

Membership Year - The RARS membership year is July 1 to June 30.

Current yearly membership fees:

Regular Member	\$18 per year
Reduced Youth/Senior Member	\$12 per year
Associate (non-licensed) Member	\$ 9 per year
Family Member	\$ 5 per year

Note: You have the option to renew your membership for multiple years.

Membership Dues can be paid on-line via PayPal to "raleigh_ars@earthlink.net", or mailed to the RARS Treasurer.

Note: A PayPal account is not needed to make a Credit Card payment via PayPal.

Greg Seamster
RARS Treasurer
1405 Leanne Court
Raleigh, NC 27606

An on-line membership form for RENEWAL payments is available at http://www.rars.org/membership_renewal.php.

Note: RARS is a 501c3 non-profit organization. Donations as well as membership dues are tax deductible.

<http://www.guidestar.org/>

Amazon Smile – Go to the following website: <https://smile.amazon.com/>, and choose RARS (EIN 56-2148098) as the supporting organization. RARS will receive 0.5 % of the purchase price as a donation.

Thanks,
Greg Seamster KE4PAX RARS Treasurer

<https://www.rars.org>

Cary Amateur Radio Club

48th Annual Cary Mid-Summer SWAPFEST

Conditions permitting, the Cary Amateur Radio Club SWAPFEST will open from **8:00 AM to 1:00 PM on Saturday, July 17, 2021** at Cary's **Ritter Park, 301 W Lochmere Drive, Cary, NC**. It will be an expanded "Flea Market Only" event in the parking lot and shelter. Talk-In: 146.88 Repeater. Weapons and pornographic materials may **NOT** be displayed **OR** sold at the SWAPFEST site.

Admission:\$4.00 ea; Tail gate spaces:\$5.00 ea.; Shelter Tables:\$10 ea Sellers can have access at 6:00 AM; no setup on Friday evening. Non-sellers can park outside the Flea Market **FREE!**

Testing by the **RARS VE team** at the Resurrection Lutheran Church will be available at **10:00 AM. Fee: \$35. Walkins only.** Test candidates should contact Joe White, wa4gir@arrl.net in advance.

SwapFest Help Wanted – Volunteers needed

Talk-in station operator From	6 AM to about 10 AM (on site or at home)
Pusher in Flea Market area	To verify paid fees and position sellers efficiently
Direction Sign Installer	Plant direction signs at 6AM and retrieve them at noon
Table Seller	Collect from vendors needing tables under the Shelter. 6 AM - 9 AM.

Cary Amateur Radio Club, P.O. Box 53, Cary, NC 27512

For more information – www.caryarc.org

RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.

ICOM ic-38A 220MHz

Posted July 3rd, 2021 by: WZ0Q

Contact: wz0q@outlook.com

Icom IC 38a 220 MHz mobile. Comes with mounting bracket, copy of manual and HM12 hand mic.

All works well. Asking \$65.00 or best offer.

Email me or call 919 413 5998

Dennis, Wz0q

Kenwood TS-820 160 thru 10 Meter SSB/CW 100 Watt Transceiver

Posted June 28th, 2021 by: K4HF

Contact: k4hf@arrl.net

The TS-820 (not TS-820S) has a built in power supply and comes with the matching VFO-820 remote VFO and the matching MC-50 Base mike. Tested and in very good condition. \$295 or \$330 including an additional new set of three tubes for the RF output section.

Contact me by E Mail, preferably, or (919) 872-6555 - Thanks, Chuck

KENWOOD TS-520 HF TRANSCEIVER (80 through 10 METERS)

Posted June 27th, 2021 by: N4KYW

Contact: howagood@yahoo.com

The Kenwood TS-520 is a hybrid transceiver: the receiver and exciter sections are transistorized, while the driver (12BY7A) and finals (S2001As) are tubes. Less chance of blowing the finals (compared to transistors) due to impedance mismatch. The output tank is a PI Net, so an antenna tuner is essentially built in. AC power supply is also built in. Very good shape, considering its age.

WHAT YOU GET:

TS-520 Transceiver (Covers 80, 40, 20, 15, 10 meter bands)

Modes: LSB, USB, CW

RARS Classifieds continued

Original Operating Manual

Copy of article on mods you may wish to install

Price for above: \$325

Transceiver, plus Turner 256 desktop PTT/Lift-to-Talk microphone: \$350.

Questions? Interest? Call or text Scott, KI4OCF, at 423-557-6889.

Location of item: Cary NC

Note: If unsold by July 17th, transceiver will be offered for sale at Cary Swapfest.

Icom AH-4 remote tuner

Posted June 27th, 2021 by: KS4PE

Contact: patrick@ks4pe.radio

New Icom AH-4 remote tuner

Between buying this late last year and finally getting around to using it, I changed my mind on what I'm setting up at my QTH. It's still brand new in box.

Asking \$240, and will throw in 100 ft of 4-conductor cable for the tuning plug for an extra \$10

Next In-Person no charge Exam July 10

Posted June 19th, 2021 by: N4MQU

Contact: MarkGibson6822@gmail.com

Raleigh, NC Our next in-person exam will be on July 10. Please register at <http://www.fivecountyhre.org/study-tips-and-registration/>

Thank you

Polyphaser IS50NX-C2 coaxial lightning protector, Type N connectors.

Posted June 5th, 2021 by: N4TL

Contact: n4tl2@yahoo.com

Coaxial Lightning Protector, Flange Mount, 1.5-700MHz, HF 2kW, VHF 375W, DC Block, N Female, 50 ohms, this sells for \$72.99 at DX engineering. \$40.

RARS Board Meeting Minutes

Raleigh Amateur Radio Society

April 20, 2021

7:00 PM on Zoom

John Honeycutt – Present
Tom Lewis – Present
Greg Seamster – Present
Mark Kilmer – Present
Jeremy Lindsley – Present
Carl Davis – Present
Curt Phillips – Present
Chuck DeCourt – Not Present
Julie Royster – Present
Alan Pitegoff – Present
Tadd Torborg – Present
Ken Latchum – Present
Chuck Littlewood – Present
Brantley West – Present
Joe White – Not Present
Liz White – Not Present
Marty Young – Not Present
Richard Kroeger – Present
Hank Montgomery – Present

The meeting was called to order by John Honeycutt, N8ZU, at 7:00 PM. A quorum was present and the March meeting minutes were approved.

Status of existing action items: – Mark Kilmer

Existing Action Items:

Jeremy Lindsley:

Obtain quotes for new safety vests and report back to the board.

(Open)

Make announcements on the club meetings requesting volunteers for the PS events.

(Closed)

RARS Board Meeting Minutes continued, April 20, 2021

Curt Phillips:

Contact Greg on budgetary requirements.

(Open)

Add an announcement to the RARS website and request the announcement be added to the Exciter next month. Send the announcement to the reflector list.

(Open)

Hank Montgomery:

Fix repeater page link in website.

(Closed)

New Business:

Discussion as to when we should resume meetings at the church. Tabled for now.

Officer Reports:

Vice President - Tom Lewis, N4TL

Next months club meeting will be a presentation on N1MM, by Tom Lewis (N4TL), followed, the next month by a presentation on Field Day by Curt Phillips (W4CP).

Treasurer - Greg Seamster, KE4PAX

Currently the club has 454 members. Reported cash assets, inventory and net income. Discussion of the budget draft line items for next year and the current budget. Also discussed also, were the donations made by the club to various organizations.

Secretary - Mark Kilmer, KM4JRH

No report

Committee Reports:

Public Service Director:

Jeremy Lindsley, KB4JDL

Has been recruiting volunteers. Brought up the idea of magnetic signs for the event vehicles. Chuck Littlewood suggested contacting the Five County HAM Radio Enthusiasts.

Education Director:

Carl Davis, W8WZ

No report

RARS Board Meeting Minutes continued, April 20, 2021

Field Day Chair:

Curt Phillips, W4CP

The Cary club may join us this year. Curt also requested pictures from past Field Days. Mark Kilmer (KM4JRH) volunteered to Band Captain 20m phone. Brantley West (K4CBW) brought up the question of having a GOTO station. Brantley also questioned any COVID restrictions.

FM Repeater Chair:

Chuck DeCourt, W3WZN

No Report

RARSfest Chair:

Vacant

No Report

Exciter Editor:

Tom Lewis, N4TL

All input for the Exciter is due ten days before the general meeting.

Food Service Chair:

Richard Kroeger, N1FUA

No report

Net Manager:

Julie Royster, KT4JR

Nightly nets are having about 20 check-ins.

ARRL Liaison:

Chuck Littlewood, K4HF

No Report

Youth Director:

Brantley West, K4CBW

Questioned sending post cards to new HAMs in the area. Topic will be discussed at a later date.

NC QSO Party Chair:

Marty Young, W4MY

No Report

RARS VE Coordinators:

Joe White, WA4GIR

Liz White, K04CK

No Report

RARS Board Meeting Minutes continued, April 20, 2021

RARS Webmaster: **Hank Montgomery, K4HM**

Updated several pages. Hasn't received any information from club member, Devin Hedge, KN4FVH, in reference to the proposed creation of a new web site.

Trustee Chair: **Carl Davis, W8WZ**

All licenses are up to date.

At Large Director: **Alan Pitegoff, AB4OZ**

Planning a site survey on Friday. Received a new UPS. Mentioned that all new trustees obtain control of the respective QRZ pages.

At Large Director: **Tadd Torborg, KA2DEW**

No Report

At Large Director: **Ken Latchum, AD4GX**

No report

Past President: **Carl Davis, W8WZ**

No report

New Action Items:

Jeremy Lindsley:

- Send e-mail to the club list, asking for volunteers.
- Contact the Five County HAM Radio Enthusiasts

Curt Phillips:

- Add an announcement to the RARS website and request the announcement be added to the Exciter next month. Send the announcement to the reflector list.
- Obtain quotes from food vendors.

Carl Davis:

- Take control of the updated trustee QRZ page.

RARS Board Meeting Minutes continued, April 20, 2021

Mark Kilmer:

- Take control of the updated trustee QRZ page.

John Honeycutt:

- Send out e-mail announcing the invitation to the JARS picnic.

Meeting Adjourned at 9:03 PM.

Next meeting date: May 20, 2021

Minutes respectfully submitted by,

Mark Kilmer (KM4JRH)
Secretary
Raleigh Amateur Radio Society

RARS Board Meeting Minutes continued, May 18, 2021

Raleigh Amateur Radio Society

May 18, 2021

7:00 PM on Zoom

12 people attended

John Honeycutt – Present

Tom Lewis – Present

Greg Seamster – Present

Jeremy Lindsley – Present

Carl Davis – Present

Alan Pitegoff – Present

Tadd Torborg – Present

Ken Latchum – Present

Chuck Littlewood – Present

Brantley West – Present

Richard Kroeger – Present

Hank Montgomery – Present

RARS Board Meeting Minutes continued, May 18, 2021

Mark Kilmer – Not Present

Curt Phillips – Not Present

Check DeCourt – Not Present

Julie Royster – Not Present

Joe White – Not Present

Liz White – Not Present

Marty Young – Not Present

1. John Honeycutt called the meeting to order at 7:01 PM.
2. The April meeting minutes were not available to be approved.
3. Discussion of going back to the church for our meetings. Alan said we should go to the church and survey it. John discussed the new requirements from the state. Requirement that were in place before May 14 have been changed to Recommendations. The church plans to restart the in church services June 6th . Recommendations include: People who are vaccinated don't have to wear masks. We have to wipe surfaces before and after the meeting. Need Signs about covid19. Tadd and Chuck think we should wait to see how the church does things. We talked about zoom vs at the church; we think more show up on Zoom and many like Zoom better. We are going to wait for right now. Maybe in July. We decided to continue with Zoom even after we go back to in person meeting, whenever that is.
4. RARS supper, Chuck spoke about starting it again on the first Tuesday of the month. The IHOP on 6 forks cannot find enough help to be open on Tuesday night. We don't know when this will start up again.
5. Officer Reports:
 - 1) Vice President - Tom Lewis, N4TL
The June presentation will be about Field Day. Curt, W4CP,

RARS Board Meeting Minutes continued, May 18, 2021

2) Treasurer - Greg Seamster, KE4PAX

Reported on current membership at 462 members. Reported cash assets, inventory and net income. And the proposed budget for the coming year. A motion was made to approve the budget and it passed.

3) Secretary - Mark Kilmer, KM4JRH, not present

No report

6. Committee Reports:

1) Public Service Director:

Jeremy Lindsley, KB4JDL

Reported the upcoming Public Service events. Some have been rescheduled. Check the RARS website. He ordered twelve safety vests for workers to wear. And needs signs for the vehicles. A motion was made to approve \$250 for Jeremy to buy what is needed. It was approved.

2) Education Director:

Carl Davis, W8WZ

Spoke about education materials but does not have all the information yet.

3) Field Day Chair:

Curt Phillips, W4CP

No report

4) FM Repeater Chair:

Chuck DeCourt, W3WZN

No Report from Chuck.

Alan is working on moving an antenna to the fair grounds.

The UPS has not been installed yet, its being worked on.

5) RARSfest Chair:

Vacant

No Report

6) Exciter Editor:

Tom Lewis, N4TL

RARS Board Meeting Minutes continued, May 18, 2021

Next month's deadline is May 29, except for the net report.

7) Food Service Chair: Richard Kroeger, N1FUA

No report

Due to a conflict, he will not be able to help during field day.

8) Net Manager: Julie Royster. KT4JR

No Report

9. ARRL Liaison: Chuck Littlewood, K4HF

Marv Hoffman send out long email from the ARRL

N1ND from the ARRL is retiring next month.

10) NC QSO Party Chair: Marty Young, W4MY

No Report

11) RARS VE Coordinators: Joe White, WA4GIR

No Report

Liz White, K04CK

12) RARS Webmaster: Hank Montgomery, K4HM

Reported the number of rars-l subscribers as being 153 with a club membership of 462, which shows only 1/3 of the members, are on the list - IF they are all members. But of the 153 subscribers, 1/3 could not easily be identified as members and 10% of those who were identified had expired memberships. So of 153 on the list, only 103 could be easily recognized as current paid-up members leaving us as only 103 of 462 members can be verified as current members (less than 25%). So the vast majority of our members do not get important posts sent via the rars-l. (Which is why Greg has to maintain a separate email list for notices to ALL members.)

We discussed the advantage of having ALL members on the list. The problem of

RARS Board Meeting Minutes continued, May 18, 2021

some not wanting to receive email from the list can be resolved by setting their subscription option to "no email" which would allow them to see the archive of messages by logging into the email server. Also if ALL members are on the list AND use the same email address for the list and for their RARS Member Profile, then auditing the list can be done with a simple script.

K4HF made a motion to automatically subscribe all members to the rars-l email list using the email address in their profile. The motion passed.

Regarding the earlier question of member preference for RARS meetings on Zoom, in-person or Hybrid, Hank said he could setup a simple online survey if needed.

13) Youth Director: Brantley West, K4CBW

There are a few operating events Yoda contest this weekend.

There is another event the Saturday before Field Day.

He will communicate by email with any updates.

14) Trustee Chair: Carl Davis, W8WZ

All done. The RARS website lists the trustees.

15) At Large Director: Alan Pitegoff, AB4OZ

No Report

16) At Large Director: Tadd Torborg, KA2DEW

No Report

17) At Large Director: Ken Latchum, AD4GX

No report

18) Past President: Carl Davis, W8WZ

RARS Board Meeting Minutes continued, May 18, 2021

No report

N8ZU, John Honeycutt, said he received a number of thank you emails from a few people.

W4BNO, Rod, thanked the board for the plaque he received for winning the NC QSO Party category High Power.

N3TLV, Doug, thanked the board for his certificate for helping to build TARPEN nodes. He also stated he was looking forward to helping Joe and Liz White with VE testing when it resumes.

AE4FG, Kelly Mills, thanked the board for the certificate recognizing his contributions to the scanner and SWL special interest group. He also thanked the board for allowing the SIG to use the RARS Zoom account for their meetings.

K5OF, Ed, sent an email thanking the boards of RARS and the South Wake Amateur Radio Club for sponsoring the QSO Contest and the award he received for winning the category of in state phone, low power.

K4HF, thanked the board for the certificate he received for managing contributions to RARS from proceeds of estate sale items.

John adjourned the meeting at 9:16 PM.

Minutes recorded by Tom N4TL

RARS Membership Meeting Minutes – June 8, 2021

7:30 PM on Zoom

The meeting was called to order by John Honeycutt at 7:30 PM.

The Pledge of Allegiance was recited.

Call for recognition of visitors, new members and license upgrades:

John invited any new members, visitors or those who recently received licenses or upgrades to introduce themselves.

Quorum call:

A quorum was not present initially. But as the meeting progressed, more members joined, establishing the required number for the vote.

Minutes for May 2021 were approved.

Officer Reports:

President - John Honeycutt, N8ZU

The next Board meeting will be at 7:00 PM next week. Club members may attend as guests by requesting the Zoom information from Greg Seamster, via a link on the club website.

Vice President - Tom Lewis, N4TL

The next club meeting will be a presentation by Carl Luetxelschwab (K9LA). The meeting topic will be "HF Propagation"

Treasurer - Greg Seamster, KE4PAX

Greg reported cash assets and inventory. Noted that the club has received some

RARS Membership Meeting Minutes continued

significant donations. Went over the 2021-2022 budget, which was brought to a vote, and approved. Indicated the repeater fund is separate from the annual budget.

Secretary - Mark Kilmer, KM4JRH

No report

Specific Announcements or Reports from Directors:

Director at Large – Alan Pitegoff, AB4OZ

Cautioned everyone, not to talk about being out of town on vacation on the nets. Noted upcoming events, and said to check his QRZ page for details.

Director at Large – Tadd Torborg, KA3DEW

New HAM meetings will resume in August. If the church is not a viable option, the meetings will be hosted at Tadd's house. Also invited people to join NC Packet.

Youth Director – Brantley West, K4CBW

Announced the upcoming events for youth.

Field Day Chair – Curt Phillips, W4CP

Requested volunteers to man a VHF/UHF station at Field Day.

Floor Opened for Additional Announcements or Reports from Directors or Members:

Billy Janke - (KE4VNC)

Announced the upcoming ARRL VHF contest.

Tonight's Program:

Tom Lewis (N4TL), introduced Curt Phillips (W4CP), presenter of tonight's program. The topic was "Field Day 2021".

RARS Membership Meeting Minutes continued

Meeting Adjourned at 9:04 PM.

Next meeting date: July13, 2021

Minutes respectfully submitted by,

Mark Kilmer (KM4JRH)

Secretary

Raleigh Amateur Radio Society

Two more RARS FD pictures

from Dave KN4CUZ



Mark Kilmer KM4JRH



Carl Davis W8WZ

Mark Kilmer KM4JRH